INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2005/000458

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 B28B 7/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B28B 7/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Korean Utility models and applictions for Utility models since 1975

Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) eKIPASS in KIPO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α .	US 4,541,471 A (Giulini Chemie Gmbh) 17 September 1985 See the whole document	1
A	JP 13-150464 A (Sumitomo Chem Co. Ltd) 5 June 2001 See the whole document	1.
Α	JP 05-254952 A (Isuzu Ceramics Kenkyusho) 5 October 1995 See the whole document	.1
A	KR 2003-021506 A (Kim Inn Heup) 15 March 2003 See the whole document	1
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	Further	documents	are	listed	in the	continuat	ion of	Box C.

See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "&" document member of the same patent family

Date of the actual completion of the international search

13 JUNE 2005 (13.06.2005)

Date of mailing of the international search report

14 JUNE 2005 (14.06.2005)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/000458

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
cited in scarcii report	uaic	member(3)	uaic
US 4,541,471	17.09.1985	AT54080E AT64114E DE3316571A1 DE3316571C2 DE3482573C0 DE3484663C0 EP00124801B1 EP0124801A2 EP0125510A2 EP124801A3 EP124801B1 EP125510A2 EP125510A2 EP125510A2	15.07.1990 15.06.1991 08.11.1984 22.08.1985 02.08.1990 11.07.1991 05.06.1991 14.11.1984 21.11.1984 23.03.1988 05.06.1991 21.11.1984 23.03.1988 05.06.1991 21.11.1984 23.03.1988
JP 13-150464	05.06.200 1	NONE	
JP 05-254952	05.10.1993	NONE	
KR10-2003-21506	15.03.2003	NONE	I